Hisense

LED Backlight TV

USER MANUAL

Read the manual carefully and ensure you have fully understood its contents before operating this device for the first time.

ES-J131705

NO.1

English

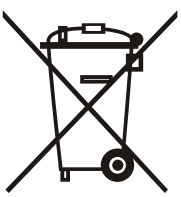
Thank you
for purchasing a Hisense TV.
This device lives up to the highest quality, innovative technology and high user comfort.

HiSmart
Using apps, chatting, surfing and enjoying videos has never been this easy. With this Hisense TV you can do it fast and simply, while lying on your couch.

Media Player
Access your music, pictures and videos from your home network and play them on your TV.

Digital tuners
Everything works with one remote control now. Connect your TV directly to your terrestrial or satellite antenna or to cable and enjoy the contents in high quality without any loss.

WEEE (Waste Electronic Electric Equipment) European Directive 2002/96/EC



The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipments waste. In the European Union and Other European countries in which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

ROHS (Restriction of Hazardous Substance) European Directive 2002/95/EC

This European directive limits the use of dangerous and hazardous substances which are difficult to recycle.

This allows recycling easily the EEE and contributes to the safeguard of the environment.

Substances included in this product match to the RoHS directive.

Battery

To protect your environment, do not throw away battery with common domestic waste. Throw the battery in a collecting point indicated.

Danger of explosion, do not throw the battery into fire or expose the battery to high temperature.

This TV incorporates High-Definition Multimedia Interface (HDMI™) technology.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of registered of HDMI Licensing LLC.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Safety instructions

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

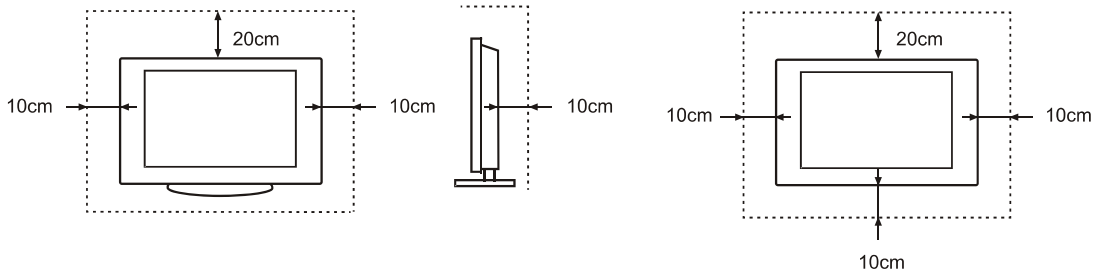
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For your own safety and to prevent any damage to you or your TV, please read and comply with the following safety instruction.

- This TV is meant to used only in home-and office environments. Protect it from high humidity, high dust concentration, heat, moisture and wet conditions.
- Do not place any items on top of the television.
- Take care not to subject the television's surface to water and detergent.
- To prevent the spread of fire, keep candles or other open flames away from this product.
- Always place the TV on an even, stable non-skip surface which can safely support the TV against overturn.
- Do not expose the television to direct sunlight and other sources of heat.
- Place the TV in an upright position when transporting it. If you have to briefly lay the TV down during transportation, lay it front side down on an even and soft surface.
- Do not apply strong force or impact to the display panel. This may cause damage resulting in injury.
- Do not move the television with the power cord plugged into a socket outlet. This may cause electrical shock.
- Do not touch the the mains plug with wet hands. This may cause electric shock.
- Take care not to subject the surfaces to insect repellent, solvent, thinner or other volatile substances. This may degrade the surface quality.
- Do not expose your ears to excessive volume from headphones. Irreversible damage can be caused.
- The wrong power supply can cause damage to the TV. This TV shall be operated only from the power source indicated on the marking label and only with the power cables supplied with the TV.
- Power-supply cords shall be routed so that they are not likely to be walked on, pinched or cut by items placed upon or against them. Also the contact with chemicals should be avoided.
- Do not use a damaged power cord.
- A power cord with damaged isolation might result in electric shock and fire.
- Unplug the TV from power supply and from antenna (only for aerial and satellite antennas) during thunderstorms or longer periods of not using it, to avoid damages.
- The main plug is used as the disconnect device which shall remain readily operable.
- The ventilation slots on the back of the TV have to remain free. Please don't cover the TV, don't place anything on it and don't attach any equipment to it that is not authorized by the manufacturer.
- There is a gap of at least 10cm on both sides and a gap of 20cm at the top to ensure proper ventilation. No matter if the TV is placed in a cupboard or shelf or mounted to the wall.



Important Safety Instructions

- If the circulation is not ensured there is a danger of fire.
- Make sure no small or bigger items are falling into ventilation slots. This causes short-circuits that may lead to fire.
- If something fell into the TV, immediately unplug it from power and call the customer service.
- Before cleaning, remove the mains plug from the wall socket. This might result in electric shock or fire.

  For stubborn dirt:

  1. Dampen a soft cloth with clean water.
  2. Wire the cloth.
  3. Gently wipe the surface.
  4. Wipe away all the moisture.
- Don’t use any detergent. This may result in damage to the display panel.
- Gently wipe the surface of the display panel and the stand by using a soth clean cloth to clean the dirt or fingerprints.
- To insure the safe operation, only the stand or wall-mount brackets provided by the manufacturer or local importer is applicable.
- Be sure to unplug the AC power cord from power supply before installing a stand or wall-mount brackets.

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Shortcuts Instructions

You can use shortcuts on the remote control for fast operation. Refer to the " Quick Setup Guide " for more information.

1.1 Turning your TV on or off

To turn your TV on or off (standby mode):

1. Plug the AC power cord into a socket outlet of AC power supply.
2. Switch on the **I/O** Power switch at the bottom of the TV to turn on/off your TV.
3. When the TV is powered on, press the [**POWER**] button on the remote control, it goes into standby mode. Press the [**POWER**] button again to turn on your TV.

NOTES

- When your TV is in standby mode, it is still consuming power. To completely disconnect power, please remove the mains plug from the mains socket or switch off the **I/O** Power switch.
- If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.

1.2 Selecting the Input Source

Select the Input Source depending on the video device you have connected to your TV.

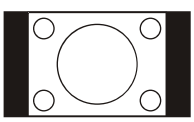
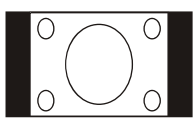
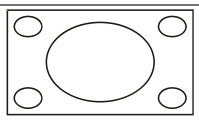
To select the input source:

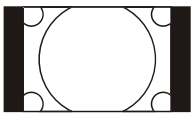
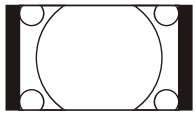
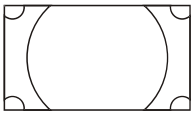
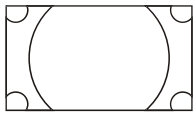
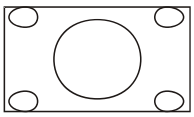
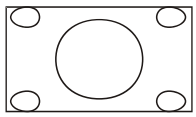
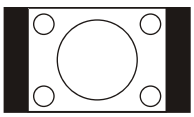
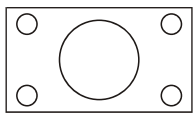
1. Turn on your TV, then press the [**SOURCE**] button on the remote, the list of Source appears.
2. Press the [▲/▼] buttons to select the input source**.**
3. Press the [**OK**] button to confirm your selection.

1.3 Selecting the aspect ratio

You can set various display modes which are shown as follows. Press the [**SIZE**] button, you can achieve: **4:3 /16:9 / Zoom 1 / Zoom 2 / Smart Zoom / Auto / 1:1.**

There are two kinds of input signal. One is 4:3, the other is 16:9. When you press the [**SIZE**] button, he can get different picture in different format. The recommended format for original 4:3 is 4:3 option or Auto and the preferable format for original 16:9 signal is 16:9 option or Auto.

SIZE	Input Signal 4:3	Input Signal 16:9
4:3	This selection will allow you to view a picture with an original 4:3 aspect ratio. Black bars will appear on both the left and right of the screen. 	This selection will allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen. 
16:9	This selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen. 	This selection will allow you to view a picture with an original 16:9 aspect ratio.

Zoom 1	This selection will allow you to zoom in the picture without any alteration. However,the top and bottom of the picture will be cropped. And it allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen. 	This selection will allow you to zoom in the picture without any alteration. However,the top and bottom of the picture will be cropped. And it allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen. 
Zoom 2	This selection will allow you to zoom in the picture without any alteration, while filling the entire screen. However,the border of the picture will be cropped. 	This selection will allow you to zoom in the picture without any alteration, while filling the entire screen. However,the border of the picture will be cropped. 
Smart Zoom	This selection is similar to 16:9 mode, but the picture slightly stretches horizontally side and clips off a little from the top and bottom. 	This selection is similar to 16:9 mode, but the picture slightly stretches horizontally side and clips off a little from the top and bottom. 
Auto	This selection will display the picture according to the aspect ratio of the input source. 	This selection will display the picture according to the aspect ratio of the input source. 
1:1	This selection will detect the resolution of the signal and display an image with the same number of pixels. The signal is optional in some source. (eg the HDMI sourse)	

1.4 Audio function (I/II)

Stereo/Dual Sound Reception (ATV Mode)

When a programme is selected, press the [LANGUAGE/I/II] button to display the sound information for the selected station.

Broadcast	**On Screen Display**
Mono	Mono
Nicam Stereo	Nicam Stereo
Dual	Nicam Dual1, Nicam Dual2

- **Mono sound selection:** If the stereo signal is weak in stereo reception, you can switch to mono by pressing the [**I/II**] button. In mono reception, the clarity of sound is improved. To switch back to Nicam Stereo, press the [**I/II**] button again.
- **Language selection for dual language broadcast:** If a programme permits in two languages (dual language), you can switch to Nicam Dual1, Nicam Dual2 or Mono by pressing the [**I/II**] button repeatedly.

Nicam Dual1	Sends the primary broadcast language to the loudspeakers
Nicam Dual2	Sends the secondary broadcast language to the loudspeakers

1.5 EPG

It provides convenience to access to the television programs that will be available in the next 7 days. The information displayed by the EPG is made available by the commercial television networks for digital channels only. The EPG also provides a simple way to program the recording of your favorite programs and a reminder function which can change automatically channels at the correct time so that you do not miss programs of interest. (The availability and amount of programme information will vary, depending on the particular broadcaster).

- Press the [**EPG**] button on the remote control to display channel information on program guide list. press the [▲/▼] buttons to select the channels. Press the [◄/►] buttons to select the program based on the time schedule.

Watch	When the programme which is aired currently is selected, press the [**OK**] button to watch it as the full screen mode.
Reminder/ Record	Press the [**OK**]/[**PVR**] button on the remote control to select Reminder/Record. 1. Press the [▲/▼] buttons to change and set a different options. · Select and set Start time/Stop time: Press the [◄/►] buttons to move to the position you want to set and then press the [0~9] buttons to input the desired numbers. · Repeat type: You can select from different options: Once, Daily and Weekly. If Weekly is selected, a popup window will open, you can press the [▲/▼] buttons to select the desired days and press [**OK**] to confirm, and then press the [**RETURN/◄**] button to return. 2. Press the [◄/►] buttons to select “Add” and press the [**OK**] button to confirm. The Booking Schedule will display, the selected program for record or reminder should be shown in the list. You can watch the recorded program in HiMedia mode, Refer to “Digital Media Player” **NOTES** · Reminder is only available for programmes that haven’t aired yet. · An USB storage device must be attached to the television for recording purposes. · Removing of the old file is not supported by the TV, you may need to connect the device to the computer to delete the unwanted files. · The TV will record the program even in standby mode.
-24H/+24H	For enabling faster browsing of the programming schedule, press the [**RED**] button “-24 H” to watch 24 hours forward programs or press the [**GREEN**] button “+24 H” to watch 24 hours future programs.
Booking Schedule	Press the [**YELLOW**] button to view a list of scheduled reminders and recordings.
Switch List	Press the [**CH list**] button on the remote control jump to the Channel List Selection right away. You can select the type of the channel list such as All, Fav, Radio,TV, etc.
More Info	Displays detailed information of the selected program.
Page Up/Page Down	Press the [**CH+/CH-**] buttons to move programme listing page up/down.

1.6 PVR/Timeshift

PVR

The PVR enables the user to easily record the digital television content for later viewing. The function is to be used in DTV source only. The format of storage disk must be FAT32 or NTFS. This option does not commerce if the data storage device has not been connected.

There are two options for recording, one option is to use Electronic Program Guide (EPG) and the other option is to press the [**PVR**] button.

Press the [■] button to stop record and a *.pvr file will be saved. The files can be played back in HiMedia.

Timeshift

This option allows the user to watch a live broadcast (DTV only) with a delay. Since the function record temporary the program onto a USB or portable storage device. Please connect a USB disk which its storage capacity is no less than 512M. Otherwise the recording will not commerce.

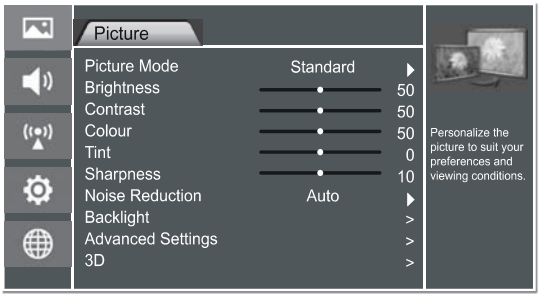
Press the [**T.shift**] button on the remote control to display the menu, press the [**II**] button to pause the live broadcast and press the [►] button to play. Press the [◄◄] button to watch reverse and press the [►►] button to watch advance playback rapidly. Press the [■] button to exit the function and watch the current broadcast.

NOTES

- When connecting a hard disk or a USB hub, always connect the mains adapter of the connected device to the power supply. Exceeding a total current consumption may result in damage. The maximum current consumption of USB1 is 1A and The maximum of USB2 and USB3 is 500mA.
- For individual non-standard high-capacity mobile hard disk, if it's impulse current is greater than or equal 1A, it may cause TV-rebooting or self-locking. So the TV does not support it.
- The USB port supports a voltage of 5V.
- The maximum supported storage space of the hard disk is 1T.
- If you want to store the video streaming of a DTV program, the transfer rate of the USB storage device must not be less than 5MB/s. At lease a mobile storage with more than 20G is required to timeshift and record a 2.5 hour HD video.
- The PVR function is not supported for analogue channels.
- The PVR functions are disabled for channels locked with Channel Lock or scrambled channels (CI module or password needed).

2.1 How to use the Menu

1. Press the [**MENU**] button to open the main menu.
2. Press the [▲/▼] buttons to select a menu option, then press the [►/**OK**] buttons to enter the menu.
3. In each menu, you can:
   - Press the [▲/▼] buttons to select an item,
   - Press the [►/**OK**] buttons to enter the submenu,
   - Press the [◄/**RETURN**] buttons to return to the previous menu.
4. Press the [**MENU/EXIT**] button to exit the menu.

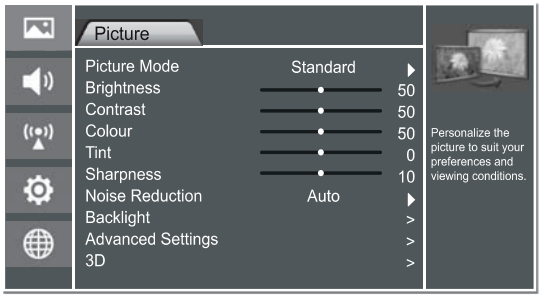


NOTE

- The menus in the user manual may vary slightly from the actual screen.

2.2 Using the Picture Menu

The picture setting allows the user to optimize the output quality picture of the TV.

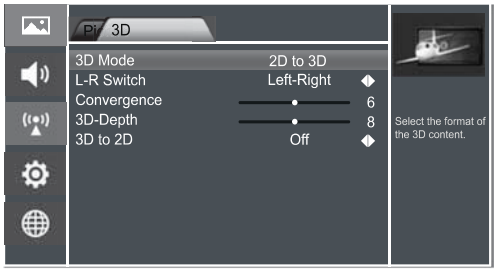


Picture Mode	For setting up the picture mode and improving the TV picture quality. Press the [MENU] button and then select Picture Mode. Based on the environment and the requirement select the correct picture mode from the following options: Standard, Movie, Natural, Game, Dynamic, User.	
Brightness	Adjust the overall luminance of the picture.	
Contrast	Adjust the luminance ratio between black and white.	
Colour	Adjust the color saturation within the picture.	
Tint	Adjust flesh tones so that they appear natural. (Only available when receiving systems is NTSC)	
Sharpness	Adjust to achieve the optimum sharpness of edges and details within the picture.	
Noise Reduction	Reduce the noise level of the connected devices. You could select one of the following options: Off, Low, Medium, High and Auto.	
Backlight	Adjust backlight to suit light conditions of the environment. Please note that this option is not available when 3D Mode sets to On.	
	Backlight Mode	Adjust backlight mode by selecting the Manual or Adaptive Backlight mode.
	Backlight Adjust	It is only available when Backlight Mode sets to Manual. Adjust the backlight level bar to select the optimum levels of illumination.

Advanced Settings	The advanced picture provides the specialized features settings.	
	Colour Temperature	Adjust the colour components independently to achieve the desired warm or cool feeling by selecting one of the following options: Standard, Warm, Cool and User.
	Dynamic Contrast	Adjust the colour contrast to achieve the optimal contrast setting by selecting one of the following options: Off, Low, Medium and Strong.
	Skin Tone	Adjust the amount of red in skin-colour tones by selecting one of the following options: Off, Low, Medium and High.
	White Balance	Adjust the white balance by adjusting the brightness of the R Gain, G Gain and B Gain levels individually.
	Display Mode	Adjust HDMI display mode. You can select Auto, Zoom or Full.

3D

Here you can change the settings for the 3D mode of your TV. To use this mode, you need the 3D content and the compatible glasses. For details of these glasses, please contact the customer service of your country. (The 3D function is only applicable to the products which support it)



NOTES

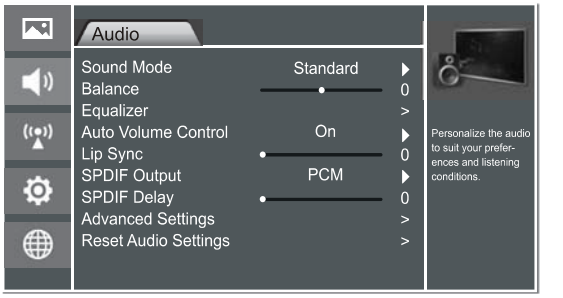
- When 3D video is watched under the fluorescent lamp (50-60HZ) or tri-band fluorescent tube, there may be slight flicker, so please adjust the illumination downward or switch off the light.
- Certain functions, such as Zoom, are not available when watching 3D movies and TV shows.
- This TV supports automatic identification of common 3D formats when connected to HDMI V1.4 compatible sources. Other 3D sources require manual setup.
- To prevent the interference with other TVs or wireless devices, syncing shall be performed between the 3D glasses and the TV, for this reason after following the above procedure you require to press the Power key to start pairing, when the indicator light flashes, syncing is completed.
- Sit upright facing the TV when watching 3D movies and TV shows.
- Other brands 3D glasses may not be supported.

3D Mode	Select a preset 3D MODE: Off/2D to 3D/Side by Side/Top and Bottom/Line by Line.	
	Off	When viewing 2D video, this option must be selected.
	2D to 3D	The TV can convert ordinary 2D program to 3D program. When wearing 3D glasses, you can view the 3D video effect.
	Side by Side	Display two images next to each other.
	Top and Bottom	Display one image above another.
	Line by Line	Display the images for the left and right eye alternately in rows.

<table>
<tr><td rowspan="6">3D</td><td></td><td>NOTES
• When watching 2D video, please set up 3D switch as Off.
• When 3D signal format is Frame Packing, the image will be displayed according to the resolution of the incoming signal.
For example: when the input signal is 1280×720, a 720p image will be displayed. A 1920 x 1080 input signal will be displayed in 1080p.
• When 3D signal format is Side-by-Side, Top-and-Bottom, the image is displayed full screen in half resolution (960 x 1080 or 1920 x 540 respectively).</td></tr>
<tr><td>L-R Switch</td><td>SG(Shutter Glasses) 3D’s left and right switching can match the 3D signal with the glasses. But as there is no standard signal formatting, mismatch, incorrect stereoscopic impression and dizziness may appear when some 3D videos are displayed. Fortunately SG 3D can solve these problems by its switching function. For modulation, please see the related content in the manual. (Not available when 3D Mode is Off and 2D To 3D)</td></tr>
<tr><td>Convergence</td><td>Convergence means 3D images’ location choosing between close and distant view and is used for producing the screen effect of 3D images into and out of the screen. (Only available when 3D Mode is 2D To 3D)</td></tr>
<tr><td>3D-Depth</td><td>It is used for modulating the image depth by the parallax correspondence between depth and left-right signal and then increase or decrease the stereoscopic effect. (Not available when 3D Mode is Off)</td></tr>
<tr><td>3D to 2D</td><td>If the option is set up as On, the TV can display all 3D format signals in 2D format. (Not available when 3D Mode is Off and 2D to 3D)</td></tr>
<tr><td colspan="2">NOTES
• Watch TV by wearing active 3D spectacle for a long time may cause headache or fatigue. If you feel headache, tired or dizzy, please stop watching TV and have a rest.
• Some 3D pictures may be stimulating and frightening the looker-on. The pregnant, young child, epileptic and unhealthy people are suggested avoiding using 3D function of this device.
• When watching 3D picture, please ensure the safety of the surrounding environment for the design principle of this product may make you feel personally on the scene. Please don’t use this product between open staircases, cable wires, balcony or near other matters which may be turned over, knocked into, knocked down, broken or falling down.
• Except watching 3D video, please don’t apply active spectacle in other usages. Wearing active 3D spectacle (such as common glasses, sunglasses and vision protective glasses) in other situations may damage your body or reduce your eyesight.
• The ideal viewing distance shall be above 3 times over the height of screen.
• If any one of the following symptoms is occurring, please stop watching and have a rest at once. (If the symptom is continued, please consult the doctor.)
  • Eyesight change, a dizzy head and blurred eyes, involuntary movement, eyes or muscle twitches), unconscious movement, mental confusion, psychic disarray, direction problem or feeling sick.
  • The parents shall watch and consult whether the child has the above symptoms for the children and youth may be easier to have those symptoms than the adults.
• When the children or youth are watching TV, the parents shall pay special attention that children below 6 years old shall not watch 3D video.</td></tr>
<tr><td>Reset Picture Settings</td><td colspan="2">Reset all picture settings to the factory defaults.</td></tr>
</table>

2.3 Using the Audio Menu

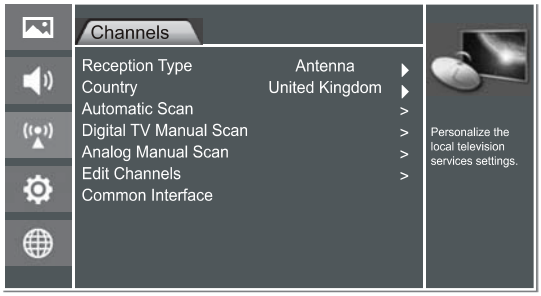
The audio setting allows the user to optimize the output audio sounds of the TV.



Sound Mode	Select the Sound Mode options based on the personal requirement: Standard / Music / Movie / Speech / User		
Balance	Adjust the relative volume of the speakers between the left and right speakers.		
Equalizer	Allow the users preset with the 5 band Equalizer controller. Press the [◄/►] buttons to select the different audio frequency band between 120 Hz, 500 Hz, 1.5 KHz, 5 KHz, and 10 KHz. Press the [▲/▼] buttons to adjust each of frequency band level individually.		
Auto Volume Control	This mode allows the users to automatically adjust the volume to reach a consistent level. This option is available by setting the Auto Volume Control to ON.		
Lip Sync	Adjust the picture and the sound to play at the same time.		
SPDIF Output	Select digital audio output format. There are three options available to select: Off /RAW/PCM.		
	PCM	PCM outputs two channel audio regardless of the input format.	
	RAW	When the data stream carries Dolby signal, digital SPDIF outputs Dolby data stream. When the data stream carries no Dolby signal, it transports PCM data stream.	
SPDIF Delay	Correct audio-video sync problems, when watching TV or video, and when listening to digital audio output using an external device such as an AV receiver.		
Advanced Settings	Adjust the additional settings for optimum audio output.		
	Speaker Select	Select External Speaker or TV Speaker.	
	Audio Type	Select Audio Type : Normal / Hearing Impaired / Visually Impaired.	
		Hearing Impaired	This increases the overall intensity of high-frequency sounds for a better listening experience. It is designed for hearing-impaired listeners.(Only available for DTV channels and only if service is broadcasted.)
		Visually Impaired	Audio Description is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the main audio from the broadcaster.
	Visually Impaired	Select “Visually Impaired” in the Audio Type to activate the description sound track if available.	
		Speaker/ Headphone	Select the device which outputs sound.
		Volume	Adjust the volume of the description sound track.

Advanced Settings	**Subwoofer**	Set up subwoofer device. (Depend on your TV size and series)
	Bass Boost	Adjust the effect of bass. It will not be available when Subwoofer is Off. (Depend on your TV size and series)
Reset Audio Settings	Reset all sound settings to the factory defaults.	

2.4 Using the Channels Menu



2.4.1 When the Reception Type is set to Antenna

Reception Type	Select a preset reception type: Antenna.	
Country	Select the Country you are in.	
Country Region ID	Select the country region (Depend on the selected country).	
Automatic Scan	Use this to automatically find and store all available channels. In the Scan Mode menu, you can select DTV Scan, ATV Scan or DTV+ATV Scan, and then press “Search” to search the channel.	
Digital TV Manual Scan	Allow you to make manual fine tuning adjustments of the channel under DTV mode.	
	Channel Number	Select the channel number.
	Bandwidth	Display the bandwidth of the selected channel.
	Search	Select the Search to start the manual tuning.
	Signal Level	Display the intensity of the current signal.
	Signal Quality	Display the quality of the current signal.
Analog Manual Scan	Allow you to make manual fine tuning adjustments if the channel reception is poor under ATV mode.	
	Start Frequency(MHz)	Input the frequency value using the numeric buttons.
	Colour System	Select the color system from the following options: Auto, NTSC, PAL, SECAM.
	Sound System	Select the Sound system from the following options: I, D/K, B/G, L, L’ (L only for SECAM).
	Scan Up	Scan for Analog Channels you set above the Start Frequency.
	Scan Down	Scan for Analog Channels you set below the Start Frequency.

2.4.2 When the Reception Type is set to Cable

Reception Type	Select a preset reception type: Cable.	
Country	Select the Country you are in.	
Country Region ID	Select the country region (Depend on the selected country).	
Automatic Scan	Use this to automatically find and store all available channels.	
	Scan Mode	You can select between DTV Scan, ATV Scan or DTV+ATV Scan, and then press **Search** to search the channel. **NOTE** · Other options are not available when ATV is selected as Scan Mode.
	Search Mode	You can select Full, Quick or Advance. Scans for channels with active broadcast stations and stores them in the TV. When Quick is selected, You need to set the Network ID manually. When Advance is selected, You must manually set the frequency and Network ID for a cable network search or use the default value.
	Frequency(KHz)	Input the frequency value using the numeric buttons.
	Network ID	For details, please contact the customer service of your country or select the default.
	Search	When setting is completed, move to “Search”. Channel scan is started.
Digital TV Manual Scan	Allows you to make manual fine tuning adjustments of the channel under DTV mode.	
	Frequency(KHz)	Input the frequency value using the numeric buttons.
	Modulation	Press the [**OK**] button and then press the [▲/▼] buttons to select Modulation type. For a universal it should be Auto.
	Symbol Rate (Ksym/s)	Input the symbol rate using the numeric buttons.
	Search	Select “Search” to start the manual tuning.
	Signal Level	Display the intensity of the current signal.
	Signal Quality	Display the quality of the current signal.
Analog Manual Scan	Allows you to make manual fine tuning adjustments if the channel reception is poor under ATV mode.	
	Start Frequency(MHz)	Input the frequency value using the numeric buttons.
	Colour System	Select the color system: Auto, NTSC, PAL, SECAM.
	Sound System	Select the sound system: I, D/K, B/G, L’ , L (L only for SECAM).
	Scan Up	Scan for Analog Channels you set above the frequency.
	Scan Down	Scan for Analog Channels you set below the frequency.

2.4.3 When the Reception Type is set to Satellite

NOTE

· The function is only applicable to the products which support it.

Reception Type	Select a preset reception type: Satellite
Country	Select the Country you are in.

Country Region ID	Select the country region. (Depend on the selected country)		
Satellite System	**Satellite Selection**	Select the satellites you wish to receive.	
	LNB Settings	Display the selected satellites, and you can press the [**OK**] button to enter.	
		Satellite Name	Display the name of the selected satellite.
		Orbit Position	Display the position of the selected satellite.
		LNB Frequency	Select the LNB frequency type.
		DisEqC Input	Select DisEqC mode for the selected LNB.
		Tone 22KHz	When the type of LNB frequency you select is “Single vibration” and the DisEqC input you select is “Disable”, you can select the Tone 22KHz to off or on. Otherwise the Tone 22KHz item will be set to Auto.
		LNB Power	Enables or disables the power supply for the LNB.
		Transponder	Select a transponder from the list or add a new transponder.
	Reset All Settings	All satellite settings will be reset to the initial values.	
Automatic Scan	Use this to automatically find and store all available channels.		
	Satellite	Select the satellite you wish to receive.	
	Channels	Select either free or all channels to store.	
	Scan Mode	You can select: Auto/preset.	
	Search	When setting is completed, move to “Search”. Channel scan is started.	
Satellite Manual Scan	Allows you to make manual fine tuning adjustments of the channel.		
	Satellite	Select the satellite you wish to receive.	
	Transponder	Select a transponder from the list.	
	Channels	Select either free or all channels to store.	
	Network Search	Select On(Off) to Enable(Disable) network search.	
	Search	Select the Search to start the manual tuning.	

2.4.4 When the Reception Type is set to Astra 19.2

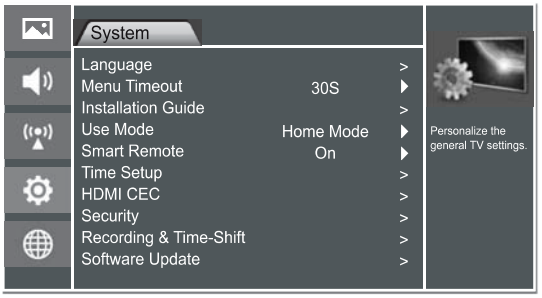
NOTE

- The function is only applicable to the products which support it.

Reception Type	Select a preset reception type: Astra 19.2 **NOTE** • This function may be supported depending on the selected country.	
Country	Select the Country you are in.	
Automatic Scan	**LNB Power**	Enables or disables the power supply for the LNB.
	LNB Frequency	Select the LNB oscillators frequency type.
	DisEqC Input	Select DisEqC mode for the selected LNB.

<table>
<tr><td rowspan="5">Automatic Scan</td><td>Tone 22KHz</td><td>When the type of LNB frequency you select is “Single vibration” and the DisEqC input you select is “Disable”, you can select the Tone 22KHz to off or on. Otherwise the 22KHz item will be set to Auto.</td></tr>
<tr><td>Transponder</td><td>Set the config of transponder for signal reception.</td></tr>
<tr><td>Search</td><td>Set the config of Channel Scan.</td></tr>
<tr><td>Signal Quality</td><td>Display the quality of the current signal.</td></tr>
<tr><td>Signal Level</td><td>Display the intensity of the current signal.</td></tr>
<tr><td>Edit Channels</td><td colspan="2">Edit the channels, including:
· Reception Type: Press the [RED] button on the remote control to open the Reception Type menu, press the [▲/▼] buttons to select the type of channel among Antenna, Cable, Satellite or Astra19.2.
· Sort: Press the [GREEN] button on the remote control to sort the channel list alphabetically (The operation only affect it once). And press again to recover the former list.
· Edit Fav List: Press the [FAV] button on the remote control to open Favorite channel list. There are two parts displayed both left and right.
1. The left channel list:
· Add/Remove: Press the [OK] button to add the selected channel to the favorite list or remove the channel from the favorite channel list.
· Scroll List: Press the [CH +/-] button to scroll the channel list.
· Switch List: Press the [Red] button to switch from one set of lists to another.
· Sort: Press the [GREEN] button to sort the channels alphabetically.
2. The right favorite channel list:
· Remove: Press the [OK] button to remove the channel from the favorite channel list.
· Scroll List: Press the [CH +/-] button to scroll the favorite channel list.
· Switch Fav List: Press the [Red] button to switch from one set of favorite channel lists to another.
· Rename Fav List: Press the [Blue] button to rename the selected FAV list.</td></tr>
<tr><td>Common Interface</td><td colspan="2">The common interface allows the use of a CI+ module to enable you to view scrambled (pay-tv) services. The CI+ module and SmartCard can be obtained from the service provider.
To view the module Information
1. Press the [▲/▼] buttons to select CI Information and then press the [OK] button.
2. A CI Information Main menu will pop up. Press the [▲/▼] buttons to display the module information. Press the [OK] button to confirm.
3. Press the [RETURN] button to return to the previous menu. Press the [MENU]/[EXIT] button again to exit the menu.</td></tr>
</table>

2.5 Using the System Menu

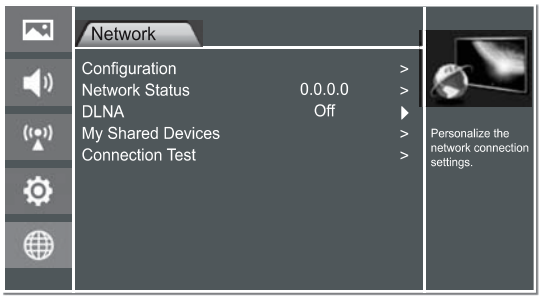


Language	**Menu Language**	Select a preset Menu Language mode: **English/Czech/French……**
	Primary Audio	Allow you to select the Primary Audio Language. (Only available in DTV mode)
	Secondary Audio	Allow you to select the Secondary Audio Language. (Only available in DTV mode)
	Primary Subtitle	Allow you to select the Primary Subtitle Language or turn off the subtitle.
	Secondary Subtitle	Allow you to select the Secondary Subtitle Language or turn off the subtitle.
	Digital Teletext	Allow you to select your desired teletext language.
	Decoding Page	Teletext Channel will display incorrectly, if you select the incorrect decoding format.
Menu Timeout	Allow you to select the display time of the on-screen menu: 10S/20S/ … /60S.	
Installation Guide	This function allows your TV enter the Installation Guide.	
Use Mode	Select your Mode Setting: Home Mode, Premium Mode or Shop Mode.	
	Home Mode	Recommended mode for the home use and low power consumption.
	Premium Mode	Ideal picture and sound with higher power consumption.
	Shop Mode	Optimizes the picture for store environments.
Smart Remote	You can download the Hisense Remote Control app to your Android smartphone or tablet to use it as a remote control for your TV. (Refer to “Smart Remote”)	
Time Setup	**Time Zone**	When you select a Time Zone city, the TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.
	Auto Synchronization	Date and time can be adjusted manually when it is set to Off. Select On to synchronize the time with the digital signal. This function is only available for DTV channels.
	Date	Set the current month/day/year.
	Time	Set the current time.
	Power On Timer	Set TV to switch on at the preset time automatically. **On/Off:** Select On to activate the function. **Repeat:** Set Repeated cycle. **Time:** Set the desired time for the TV to automatically turn on.

Time Setup	**Power Off Timer**	Set TV to switch into stand-by at the preset time automatically. **On/Off:** Select On to activate the function. **Repeat**: Set Repeated cycle. **Time:** Set the desired time for the TV to automatically turn off.
	Sleep Timer	The sleep timer automatically switches the TV to standby after the preset time has elapsed. Specify the amount of time before your TV automatically turns off: Off -10-...-120 minutes. If you turn the TV off after setting the sleep timer, the sleep timer setting will be erased.
	Auto Sleep	If you don not press a button on the remote control during the set period, the TV switches into standby automatically to save energy.
HDMI CEC	This feature allows you to add devices to your TV and control them with your TV remote control. (HDMI1/HDMI2 do not support CEC function on UHD series)	
	ARC	Connect to an external digital audio receiver by HDMI cable and then select On to activate this function.
PC(RGB) Settings	Depending on the input source or signal, the Screen Menu items will vary. The settings are only available when an external device is connected. (Only available in VGA mode)	
	Auto Adjust	Auto adjust the VGA image position.
	H. position	Adjust the horizontal position of the image.
	V. position	Adjust the vertical position of the image.
	Clock	Adjust the VGA Clock to match the PC clock.
	Phase	Adjust the VGA phase to match the PC.
Component	**Phase**	Adjust the focus of the stable images. (Only available in Component mode)
Security	Prevent unauthorized users, such as children, from watching unsuitable programme. When you first use this function, the default password is [**0000**]. Once you input this password, you can continue to the next operation. You can change password in the Change PIN submenu.	
	Blocking Channels	Channel Lock is designed to prevent children watching unsuitable programs. Press the [▲/▼] buttons to select the channels you want to lock and then press the [**OK**] button to confirm. A lock icon will display on the right of the channel and then the channel is locked (Not available in HDMI or Component mode).
	Youth Protection	This function allows you to set up blocking schemes to block programs and channels with age ratings. It operates according to information from the broadcasting station, therefore if the signal has incorrect or no information, this function will not operate. **NOTE** • When a programme is blocked, a valid PIN has to be entered when switching to these programmes.
	Change PIN	Enter a new password and then enter it again to confirm it The new PIN will be activated.

<table>
<tr><td rowspan="3">Security</td><td rowspan="2">Import/Export channel list</td><td>TV TO USB
1. Insert a USB storage device to the USB jack.
2. Select the TV TO USB mode. A pop-up menu appears, press the [OK] button to begin to copy the programme list. (Only DTV channels will be copied)
3. If the Figure 1 shows, it means that the exporting was successful.
(Figure 1) (Figure 2)
If the figure 2 shows the export was not successful, please check the following:
· Check if the USB storage is inserted and working properly.
· This function is only available for DTV channels.</td></tr>
<tr><td>USB TO TV
1. Insert the USB storage on which you saved the edited channel list to your TV.
2. Select the USB TO TV mode.
If the figure shows, the importing was not successful, please check the following:
· Check if the USB storage is inserted and working properly.
· This function is only available for DTV channels.</td></tr>
<tr><td>Clean All</td><td>Reset the settings to the factory default.</td></tr>
<tr><td rowspan="3">Recording & Time-Shift</td><td>Record Settings</td><td>Select the device or disk where you want to store your contents recorded .</td></tr>
<tr><td>Time-Shift Settings</td><td>Select the device or disk where you want to store your timeshift contents.</td></tr>
<tr><td>Booking Schedule</td><td>Display reminder and recording information.</td></tr>
<tr><td>Software Update</td><td colspan="2">Upgrade the software to the latest version. Software Update can be performed via the network connection or downloading the latest software to a USB memory device.(Refer to “Software Update”)</td></tr>
<tr><td>Restore Factory Settings</td><td colspan="2">Restore all settings to the factory defaults.</td></tr>
<tr><td>Software Version</td><td colspan="2">Display the software version information.</td></tr>
<tr><td>Service Statement</td><td colspan="2">When the Service Statement menu opens, press the [▲/▼] buttons to scroll through the pages. Please read it carefully.</td></tr>
</table>

2.6 Using the Network Menu

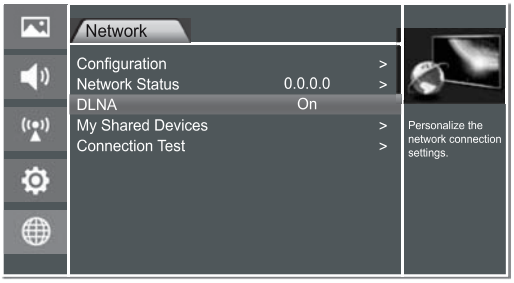


Configuration	You can set the TV network by selecting Configuration and press the [**OK**] button to enter the submenu.	
	Network	Select On or Off. When Off mode is selected, the following options would be unavailable.
	Interface	Allow you to select connection type: Wireless and Ethernet.
	Ethernet	Set Network Type to Ethernet (a Wired Network). · **DHCP(Dynamic Host Configuration Protocol):** Acquires the necessary connection values and connect your TV to a network Automatically. · **Static:** Manually Input the connection values such as IP Address, Subnet Mask, Default Gateway, Parimary DNS and Secondary DNS to connect TV to the network.
	Wi-Fi	Set Network Type to Wi-Fi (a Wireless Network) · **Scan:** Automatically displays a list of available access points around. Press the [▲/▼] buttons to select the access point with your router SSID, then press the [**OK**] button. A screen will appear prompting you to enter the key of the corresponding security mode and press the [**OK**] button to connect. · **Add Wi-Fi Network:** Enter the network's SSID manually to add Network. Select "Add Wi-Fi Network", a screen will appear prompting you to enter the SSID and select the security mode for your wireless network, then enter the password for the selected network. Press the [**Next**] button to connect. · **Auto:** If you select Auto, a screen will appear prompting you to select PIN (personal identification number) or PBC (push button configuration) setup. Choose the method supported by your wireless access point. If you choose PIN, an identification number will appear on the screen for you to enter the access point. After entering the PIN, press the [**Next**] button. If the PIN is in use by another device, select "Refresh PIN" to obtain a new PIN and enter it into the access point. After entering the PIN, press the [**Next**] button. If you choose "PBC", a screen will appear prompting to press the [**NEXT**] button. After pressing the [**NEXT**] button you have 120 seconds to locate and press the Push Button on your access point to connect to the TV. · **IP Setting:** Allow you to set IP address, subnet mask, gateway, primary, and secondary DNS when the TV connect to Wi-Fi.
Network Status	View the current network and Internet status.	
DLNA	Digital Media Player (HiMedia) feature of Digital Living Network Alliance. Press the [▲/▼] buttons to set DLNA to On. Refer to the "Digital Media Player > Digital Media Device > DLNA", for more information.	
My Shared Devices	Allow or deny the mobile device to access your TV.	
Connection Test	Press the [**OK**] button to test network status.	

3.1 Digital Media Device

3.1.1 DLNA

The TV can directly browse and play media files such as the videos, pictures, and musics from computers or other mobile devices over the same home network. These device must support DLNA. For more about DLNA (Digital Living Network Alliance), visit www.dlna.org.



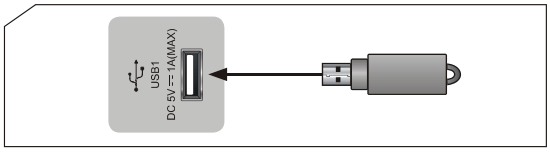
- **How to enter DLNA**
  1. Select DLNA (Menu >Network >DLNA). On the DLNA screen, press the [▲/▼] buttons to set DLNA to On. See the figure on the right.
  2. The system automatically searches available devices and files, Press the [**MEDIA**] or [**HiMedia**] button on the remote to enter HiMedia, press the [▲/▼/◄/►] buttons to select a device. Press the [**OK**] button to access a folder or open a file. Refer to the “HiMedia”.

NOTES

- The TV has to be connected to a network.
- The TV will only find devices that support DLNA, are visible in the same home network and have shared folders. refer to the user manual of your device for more details.
- If your devices do not support DLNA, you may install software that supports DLNA.
- The firewall on your PC or laptop might prevent the TV accessing the shared files. Change the configuration of the firewall to allow the TV to access the files. For details please check the firewall manual.
- Depending on the speed and strength of the wireless or LAN connection, it is possible that the image may freeze and the sound may discontinue when you play the videos with 720P or higher resolution.
- When you set the shared folders or when you are accessing the folders from the TV, make sure you don’t log in as Guest on your computer.

3.1.2 USB

With the Digital Media Player you can access and play files from a USB storage or camera which supports standard USB1.1 and USB2.0 connected to your TV.



NOTES

- Never remove the USB flash drive or turn off your TV while a file is opened.
- Most USB storage devices are supported by the TV, non the less compatability problems might occur. Please check if the storage complies with the TV USB requirements.
- The maximum supported storage space of the hard disk is 1T.
- All the USB port supports the voltage of 5V. The maximum current of USB1 is 1A, while the maximum current of USB2/USB3 is 500mA. Some storage devices are different from standard USB protocols, so it will affect the correct identification, please make sure the USB storage you are using is compliant.
- For individual non-standard high-capacity mobile hard disk, if it’s impulse current is greater than or equal 1A, it may cause TV-rebooting or self-locking. So the TV does not support it.
- The time the TV needs to read data from the storage depends on the speed of the USB storage and its capacity.
- Do not pull out the USB devices during reading the files, or this may damage your date.
- As the system is constantly updated, there may be some difference between the on-screen-menu and this instruction without notice.
- When user uses USB devices, we recommend that the total partition number of all devices does not exceed 11, otherwise the information on partition may not be displayed.

3.2 HiMedia

Be sure to insert the USB disk/mobile hard disk with standard USB2.0 port or to connect the TV with other digital devices via DLNA.

There are few options to start the HiMedia:

- Press the [**SOURCE**] button on the remote control to display the Source menu, press the [▲/▼] buttons to highlight the USB source, then press the [**OK**] button to confirm. (If you want to exit HiMedia, you can press the [**SOURCE**] button to switch to other sources).
- Press the [**MEDIA**] or [**HiMedia**] button to enter the HiMedia mode directly.

  Or press the [**HiSmart@**] or [**HiSmart**] button to enter the HiSmart hub, then press the [◄/►] buttons to select the HiMedia option.

1. Press the [▲/▼] buttons to switch the media type.
2. Press the [**CH+/CH-**] buttons to move page up/down.
3. Press the [▲/▼/◄/►] buttons to select the folder/file you want to open and then press the [**OK**] button to enter/play the folder/file.
4. Press the [**RETURN**] button to return to the previous directory.

3.2.1 Playable formats list

You can browse the images, listen to music, and enjoy such files as .AVI,.MKV,.MP4,.DAT,.MPG, .MPEG,.TS,etc.

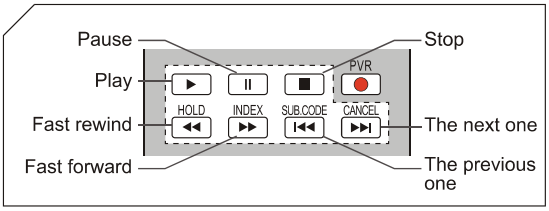
Files Format	*Playable format*
Picture	JPEG / BMP / PNG / GIF
Music	MP3 / AC3 / LPCM
Video	MPEG1(.dat) / MPEG2(.mpg) / MPEG4(.mpg) / H.264

NOTE

- We cannot promise that this unit would support all the formats listed above, as the programming tools are different.

3.2.2 Buttons for the media playback control

The figure below shows the buttons on the remote you can control media content.

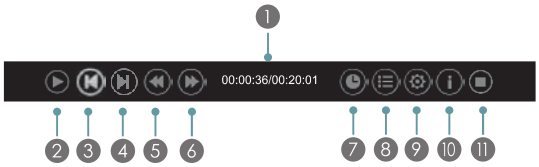


NOTE

- The displayed figure may differ depending on the model.

3.2.3 Playing Video Files

1. Press the [**MEDIA**] or [**HiMedia**] button to enter HiMedia and press the [◄] button to switch to the left hand side menu bar, select media type to Video or ALL by pressing the two-way directional [▲/▼] button on the remote.
2. Press [►] button on the remote control to select the USB or DLNA source and then Press the [**OK**] button to enter.
3. Press the [▲/▼/◄/►] buttons to select the folder that contains the video you want to view.
4. Press the [**OK**] button to play the video.
5. Press the [■/**RETURN**] buttons to exit and return to the previous directory.
6. Press the [**INFO**] button to display/exit the picture control bar.
7. Press the [◄/►] buttons to select the function icon and then press the [**OK**] button to confirm.



Function of icons:

1. The progress bar when playing.
2. Play/Pause. You can press the [►]/[**II**] button directly to play/pause when there is no control bar on the screen.
3. Play the previous video. You can press the [I◄◄] button directly to achieve the function when no control bar displayed on the screen.
4. Play the next video. You can press the [►►I] button to achieve the function when no control bar displayed on the screen.

5 Fast rewind. Press the [**OK**] button to select the backward speed. You can press the [◄◄] button to achieve the function.

6 Fast forward. Press the [**OK**] button to select the forward speed. You can press the [►►] button to achieve the function.

7 Select time to play.

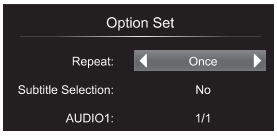
- Press the [◄/►] buttons to set hour, minutes and seconds.
- Press the [0~9] buttons to set the time and press the [▲/▼/◄/►] buttons to adjust it.
- Press the [**OK**] button to confirm and the video will play at the time you have set or press the [**RETURN**] button to exit.

8 Play list

- Press the [**CH+/CH-**] buttons to page up/page down and press the [▲/▼] buttons to select the video.
- Press the [**OK**] button to confirm.

9 Options.

Press the [▲/▼] buttons to select the options in the menu, press the [◄/►] buttons to select the settings, and then Press the [**OK**] button to confirm



- Repeat - You can change the repeat mode.

  All: Repeats all files contained in the folder.

  Once: Plays the current file once.

  Single: Repeats the current file only.
- Subtitle Selection - If the video has multiple subtitles, you can choose what you want.
- Audio - If the video has multiple audio tracks, you can choose one of them.

10 Program info

Allows you to view the program information.

11 Stop playback

NOTE

- You can press the [**SIZE**] button to change the aspect ratio (Normal, Full Screen, Original Size) while playing the video.

3.2.4 Playing Music Files

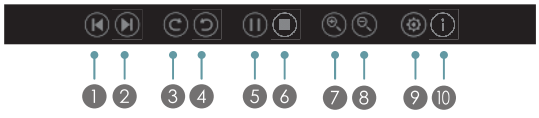
1. Press the [**MEDIA**] or [**HiMedia**] button to enter HiMedia and press the [◄] button to switch to the left hand side menu bar, select All or Music by pressing the two-way directional [▲/▼] button on the remote.
2. Press [►] button on the remote control to select the USB or DLNA source and then Press the [**OK**] button to enter.
3. Press the [▲/▼/◄/►] buttons to select the folder that contains the music file you want to listen.
4. Press the [**OK**] button to play the music.
5. All the music is listed on the left. Press the [▲/▼] buttons to select the music and press the [►] button to mark it. You can press the [**CH+/CH-**] buttons to move page up/down. Press the [**GREEN**] button to select the Repeat Mode: Mark / All / Single.
6. Press the [**RETURN**] button to exit the music playback interface.

3.2.5 Browsing Pictures

1. Press the [◄] button to switch to the left hand side menu bar, Select All or Picture by pressing the two-way directional [▲/▼] button on the remote.
2. Press [►] button on the remote control to select the USB or DLNA source and then Press the [**OK**] button to enter.
3. Press the [▲/▼/◄/►] buttons to select the folder that contains the picture you want to view.
4. Press the [**OK**] button to display picture.
5. Press the [■/**RETURN**] buttons to exit or return to the previous directory.

When browsing the pictures.

- Press the [**INFO**] button to display/exit the picture control bar.
- Press the [◄/►] buttons to select the function icon and then press the [**OK**] button to confirm.



1 Browse the previous picture. You can also press the [|◄◄]/[◄] buttons in the remote control directly when no control bar displays on the screen.

2 Browse the next picture. Press the [►►|]/[►] buttons directly in the remote control when no control bar displays on the screen.

3 4 Rotate

Rotate the picture 90 degrees clockwise.

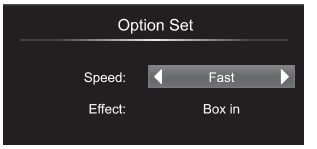
Rotate the picture 90 degrees anticlockwise.

This function is not available for dynamic pictures.

5 Play/pause. Press the [►]/[**II**] button directly when no control bar displays on the screen.

6. Stop browsing the picture. You can press the [■] button directly in the remote control when no control bar on the screen.
7. Enlarge. Zoom in the picture.
8. Shrink. Zoom out the picture.
9. Option Set.

   Press the [▲/▼] buttons to select the options and press the [◄/►] buttons to set them.

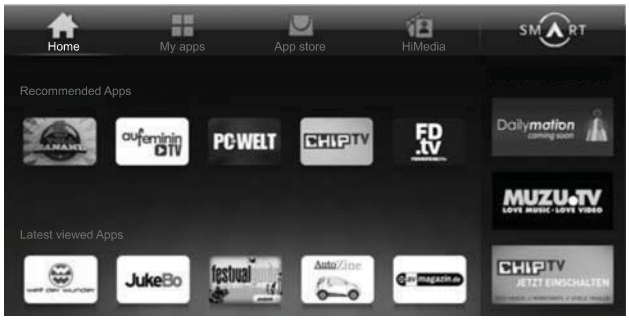


- Speed - Allows you to browse the picture at different speed, such as Fast, Slow, and Medium.
- Effect - Select transition effects between images, such as: random, Box in, Box out, Wipe right, Wipe left, Wipe up, Wipe down, Dissolve, and None.

10. Picture info. Displays information about the pictures.

4.1 How to use the HiSmart

1. Press the [**HiSmart@**] or [**HiSmart**] button to display HiSmart portal.
2. Press the [▲/▼/◄/►] buttons to navigate.
3. Press the [**OK**] button to enter the category or app, press the [**RETURN**] button to return to the previous page.
4. Press the [**EXIT**] button to return to live TV.



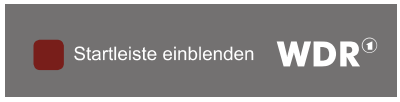
NOTES

- The TV has to be connected to the Internet to be able to access the portal.
- More detailed and up to date instructions can be found in the internet:
  Germany: www.hisense.de
  Italy: www.hisenseitalia.it
  Spain: www.hisense.es

4.2 How to use the HbbTV

You will be able to access additional services of broadcasters and channels through HbbTV.
HbbTV services are not offered in all countries and not by all channels.

1. Tune to the channel of which you would like to access the HbbTV services.
2. Press the [**RED**] button to enter the service.



NOTES

- The function is only applicable depending on the model.
- HbbTV is not available when Timeshift is running or when a recorded video is being played back.
- Parts of the services are only available if the TV is connected to the Internet.
- If a channel is offering HbbTV services is indicated when you are tuning to the channel by a pop up window with further instructions or in the info bar with “HbbTV”.

4.3 HiBeam

With the HiBeam you do not have to huddled friends and family around the small screen of your mobile devices in order to beam video, music or pictures with them.

Simply browse, discover and beam media files from your Android or iOS devices to your TV using the Twonky Beam application (You can download Twonky Beam from Google play store or the Apple App store).

The Twonky home screen has a list of officially compatible HTML5 website from which you can select video. A Beam logo will be visible if the content is compatible with the TV.

Operation introduction

1. TV side:
   · Confirm the TV is connected to a local area network.
   · Set DLNA to On (Menu >Network >DLNA).

2. Device Setup:
   · Download the Twonky Beam application.
   · Confirm the device is connected to the same local area network as the TV.
   · Launch the Twonky Beam application.
   · Select a Display Device.
   · Choose the network videos on the website which are presented by Twonky Beam, or choose a video, music or picture which is shared by mobile devices or by PC.
   · Push the selected content to TV directly.

NOTES

- For more information, please consult the help documentation for the software you are using.
- The HiBeam may not be accessible when there are some prior applications working (such as Skype or firmware updating). You need to close these prior applications or waiting for the firmware updating finished, then the HiBeam will work.
- If a mobile device has access TV, you can set the access privileges to Allow or Deny in “Menu >Network >My Shared Devices”

4.4 Smart Remote

You can download the Hisense Remote Control app to your Android smartphone/tablet/iPhone/iPad to use it as a remote control for your TV.

Operation introduction

1. TV side:
   · Confirm the TV is connected to a local network.
   · Set Smart Remote to On (Menu >System >Smart Remote >on).
2. Device Setup:
   · Download the corresponding application from Google play store or the Apple App store.

No.	Device Type	Application Name
1	Android Smartphone / Tablet	TV Remote
2	IOS Iphone	HisOverseaRemoteControl
3	IOS IPad	HisOverseaRemoteControl_ipad

3. Hisense Remote fuction:
   · Keys: Function keys are provided to control the connected TV.
   · Mouse: Mouse functionality can be activated by tapping on the “Mouse“ key on the remote control.
   · Keyboard: Soft keyboard can be used to input text to TV. Only some types of applications support text input from smart devices.

NOTES

- It’s possible you have to change settings on your device to install software not downloaded from Play Store.
- TV and the smartphone/tablet/iPhone/iPad have to be connected to the same network.
- Please start the Smart Remote app and select your TV from the list, then select “TV remote”.

4.5 Software Update

Software Update can be performed by network connection or downloading the latest software to a USB memory device.

By USB

Insert a USB drive containing the software update file, downloaded from

“Germany: www.hisense.de”,

“Italy: www.hisenseitalia.it”,

“Spain: www.hisense.es” .

Please be careful not to disconnect the power or remove the USB drive until updates are complete. The TV will be turned off and on automatically after completing the software update. When software is updated, video and audio settings you made will return to their default settings and your personal settings will be deleted. We advise you to write down your settings so that you can easily reset them after the update.

By Network

Update the software using the Internet.

First, configure your network. For detailed procedures on using the Network Setup, refer to the “Quick Setup Guide ” and “Menu >Network” instructions. If you want the Network Update to work automatically, please set Auto Upgrade to On (Menu >System >Software Update >Auto Upgrade).

If the Internet connection doesn’t operate properly, check the Network Configuration settings and try again. If the problem persists, use the USB method above to update.

5.1 TroubleShooting

If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit

Germany: www.hisense.de

Italy: www.hisenseitalia.it

Spain: www.hisense.es

Then click on Support, or contact the call centre listed of this manual.

Problem	*POSSIBLE SOLUTIONS*
Picture Quality	
The TV image does not look as good as it did in the store.	● Make sure that you are using a digital signal. Choose TV from the SOURCE list or use a digital set-top-box. ● Check if the channels you are watching are also available in HD. ● Make sure you are sitting a minimum of three times the diagonal of the TV away.
The picture is distorted: macroblock error, small block, dots, pixelization	● Compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action movies. ● Low signal level or bad quality can cause picture distortion. This is not a TV issue. ● Mobile phones used close to the TV (less than 1m) may cause noise in picture on analogue and digital TV.
Colour is wrong or missing.	● If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause colour problems or a blank screen.
There is poor colour or brightness.	● Adjust the Brightness/Sharpness/Backlight in the Picture menu.
There is a dotted line on the edge of the screen.	● Press the [SIZE] button on the TV remote to change the picture zoom to 16:9. ● Adjust the picture screen display in the PC(RGB) Settings menu.(Press the [MENU] button and select System > PC(RGB) Settings) ● Change the set-top-box resolution.
When the picture is distorted or poor.	● Verify if the antenna is connected properly. ● Non-earthed audio devices, neon lights, high buildings or mountains can influence the picture quality. Try to improve the picture by changing the antenna direction or place devices away from the TV.
	● Image may be abnormal when the TV system is changed as a result of the manual search. If so, please check whether TV system is correct or not.
Sound Quality	
There is no sound or the sound is too low at maximum volume.	● Please check the volume of the external device connected to your TV.
The picture is good but there is no sound.	● If you are using an external device, make sure the audio cables are connected to the correct audio input jacks on the TV.
	● If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV).
	● If you are using DVI or VGA cable, a separate audio cable is required.
	● If your TV has a headphone jack, make sure there is nothing plugged into it.
The speakers are making an inappropriate noise.	● Check the cable connections. Make sure a video cable is not connected to an audio input.
	● For antenna or cable connections, check the signal strength. Low signal level may cause sound distortion.

Problem	*POSSIBLE SOLUTIONS*
No Picture, No Video	
The TV will not turn on.	● Make sure the AC power cord is securely plugged in to the wall outlet and the TV.
	● Make sure the wall outlet is working.
	● Try pressing the POWER button ⏻ on the TV to make sure the problem is not the remote.
The TV turns off automatically.	● Ensure the Sleep Timer is set to Off in the Time menu.
	● If your PC is connected to the TV, check your PC power settings.
	● Make sure the AC power cord is plugged in securely to the wall outlet and the TV.
	● The TV will turn off automatically after 10 ~ 15 minutes if there is no signal.
There is no picture/video.	● Check cable connections (remove and reconnect all cables connected to the TV and external devices).
	● Set your external devices' (Cable/Set top Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV.
	● Make sure your connected devices are powered on.
	● Be sure to select the TV's correct source by pressing the SOURCE button on the TV remote.
RF(Cable/Antenna) Connection	
The TV is not receiving all channels.	● Make sure the Antenna/Cable/Satellite cable is connected securely.
	● Automatic scan TV channel through the CHANNELS menu setting.
	● If you are receiving the signal through Aerial or Satellite, make sure the antenna is positioned correctly and the signal strength is good.
The picture is distorted: macroblock error, small block, dots, pixelization	● Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.
	● A low signal can cause picture distortion. This is not a TV issue.
PC Connection	
A "Mode Not Supported" message appears.	● Set your PC's output resolution so it matches the resolutions supported by the TV.
The video is OK but there is no audio.	● If you are using a VGA or DVI connection, check the audio output setting on your PC.
Network Connection (Depending on Models)	
Wireless network connection failed	● Go to the Network > Configuration and select a wireless network to connect. Enter the password if necessary and try again.
	● Make sure the wireless router supports DHCP and that it is activated.
Recording/Timeshift	
The USB device is not recognized or a Device Format, Checking Device or device Performance Test falls.	● See the manual for the USB device to check that the USB device supports recording.
	● If the USB device has a lock, ensure it is off.
	● Check that the USB device can be formatted when connected to the PC. Connect the USB to the TV and format it.
	● If a Device Performance Test or formatting failed, it means that there is a problem with USB hardware or the performance of the USB hardware is too low.
The recording function does not work.	● Check that a USB device is connected.
	● Check that the channel is a recordable digital channel.
	● If the signal is weak or does not exist, the recording function will automatically be closed.
	● The TV will not record if the USB device has no free memory space. Check that this is not the case.

Problem	POSSIBLE SOLUTIONS
Timeshift Mode does not work	● Check that a USB device is connected.
	● Radio channels and analogue broadcasts are not supported.
	● Data broadcast channels are not supported.
	● If the signal is weak or does not exist, the Timeshift Mode function will automatically be closed.
	● Timeshift Mode can't be performed if the USB device has no free memory space. Check that this is not the case.
Others	
The picture will not display in full screen.	● Channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.
	● Black bars on the top and bottom will appear during movies that have aspect ratios different from your TV.
	● Adjust the picture size options on your external device or press the [SIZE] button to 16:9 that will display the whole screen.
The remote control does not work.	● Replace the remote control batteries with the poles (+/–) in the right direction.
	● Clean the transmission window located on the top of the remote control.
	● Pairing the Remote Control with TV. Not for TV models which use infrared remote control.
	● Try pointing the remote directly at the TV from 5~6 feet away.
A "**Not Supported**" message appears.	● Check the supported resolution of the TV, and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.
There is a plastic smell from the TV.	● This smell is normal and will dissipate over time.
TV is tilted to the right or left side/front or back side.	● Remove the stand base from the TV and reassemble it.
There are difficulties assembling the stand base.	● Make sure the TV is placed on a flat surface. It is necessary to use magnetized screw driver if you cannot remove the screws from the TV.
The Channel menu can not be selected.	● The Channel menu is only available when the TV source is TV.
Your settings are lost after every time the TV is turned off.	● If the TV is in the Shop Mode, your settings will not be saved. You should select the Home Mode or Premium Mode.
You have intermittent loss of audio or video.	● Check the cable connections and reconnect them.
	● Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use.
There are recurrent picture/ sound issues.	● Check and change the signal/source.
A reaction may occur between the rubber cushion pads on the base stand and the top finish of some furniture.	● To prevent this, use felt pads on any surface of the TV that comes in direct contact with furniture.

NOTES

- This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

5.2 Service Contact

Country	Hotline Number	Website
Austria	+43-0820420411	www.eseco.at
Belgium	+32 (0)11 281780	www.servilux.be
Denmark	+45-44503039	www.elektronik-centret.dk
France	+33-0800 835 897	www.nse-group.com
Germany	+49-(0)0800 9000169	www.elesco-europa.com
Hungary	+36-614772070	www.aagservice.hu
Ireland	+44 28 3832 6119	www.craigavon.tv
Italy	+39-800 321 999	www.hisenseitalia.it
Norway	+47-815 81 333	www.infocare.no
Spain	+34-902027419	www.hisense.es
Sweden	+46 911 21 14 50	www.assistkedjan.se
Switzerland	+41 (0) 900782400	www.stagicp.ch
The Nethelands	+31 (0) 77-3060708	www.technorep.nl
	www.hisense-europe.com	www.hisense.com/en

For more information, please contact the service company of Hisense in your country.